

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,346,103 B2
APPLICATION NO. : 10/748544
DATED : March 18, 2008
INVENTOR(S) : Ariela Zeira

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE

Item (56), OTHER PUBLICATIONS, page 1, right column, line 11, on line beginning with "Misra et al.", after the word "Hybrid", insert --of--.

At column 2, line 6, after the word "vector", delete "r" and insert therefor --r--.

At column 2, line 39, after the word "vector", delete "r" and insert therefor --r--.

At column 2, line 41, after the word "segments", delete "r₁ ... r_n" and insert therefor --r₁ ... r_n--.

At column 2, line 42, after the word "vector", delete "r" and insert therefor --r--.

At column 2, line 44, after the word "vector", delete "r" and insert therefor --r--.

At column 2, line 45, after the first use of the word "segments", delete "r₁ ... r_n" and insert therefor --r₁ ... r_n--.

At column 2, line 45, after the words "only segments", delete "r₁, r₂, r₃, r₄, r₅, r₆, r₇, r₈" and insert therefor --r₁, r₂, r₃, r₄, r₅, r₆, r₇, r₈--.

At column 2, line 46, before the word "shown", delete "r₉" and insert therefor --r₉--.

At column 2, lines 47 & 48, after the words "overlap is", delete "preferably twice the length the impulse response less one chip, 2*(W-1)" and insert therefor --at least two chips less than twice an impulse response length--.

At column 2, line 54, after the words "interest of", delete "r₂" and insert therefor --r₂--.

At column 3, line 18, after the word "segment", delete "r_i" and insert therefor --r_i--.

At column 3, line 20, after the word "segments", delete "r_i, x_{i1}, ..., x_{iK-1}" and insert therefor --r_i, x_{i1}, ..., x_{iK-1}--.

At column 3, line 21, after the word "vectors", delete "s_{i1}, s_{i2}, ..., s_{iK}" and insert therefor --s_{i1}, s_{i2}, ..., s_{iK}--.

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At column 3, line 23, after the word "vectors", delete " $s_{i1}, s_{iK}, \dots, s_{iK}$ " and insert therefor -- $s_{i1}, s_{i2}, \dots, s_{iK}$ --.

At column 3, line 25, after the word "vectors", delete " $d_{i1}, d_{i2}, \dots, d_{iK}$ " and insert therefor -- $d_{i1}, d_{i2}, \dots, d_{iK}$ --.

At column 3, line 28, after the words "contributions", delete " r_{i1}, r_{i2}, \dots " and insert therefor -- r_{i1}, r_{i2}, \dots --.

At column 3, line 29, after the word "vector", delete " s_{i1}, s_{i2}, \dots " and insert therefor -- s_{i1}, s_{i2}, \dots --.

At column 3, line 31, after "butions", delete " r_{i1}, r_{i2}, \dots " and insert therefor -- r_{i1}, r_{i2}, \dots --.

At column 3, line 32, after the word "segments", delete " r_i, x_{i1}, \dots " and insert therefor -- r_i, x_{i1}, \dots --.

At column 3, line 35, after the word "segment", delete " r_i is equalized by a" and insert therefor -- r_i is equalized by an--.

At column 3, line 37, after the word "vector", delete " s_{i1} " and insert therefor -- s_{i1} --.

At column 3, line 41, after the word "vector", delete " d_{i1} " and insert therefor -- d_{i1} --.

At column 3, line 43, after "mined", delete " r_{i1} " and insert therefor -- r_{i1} --.

At column 3, line 45, after the word "segment", delete " x_{i1} " and insert therefor -- x_{i1} --.

At column 3, line 48, after the word "symbols", delete " d_{i2} " and insert therefor -- d_{i2} --.

At column 3, line 49, after the word "vector", delete " S_{i2} " and insert therefor -- S_{i2} --.

At column 3, lines 50 & 51, after the words "user 2 to", delete " X_{i1}, r_{i2} " and insert therefor -- X_{i1}, r_{i2} --.

At column 3, line 53, after the word "segment", delete " x_{iK-1} which is vector r_i " and insert therefor -- x_{iK-1} which is vector r_i --.

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At column 3, line 55, after the word "symbols", delete " d_{ik} " and insert therefor -- d_{ik} --.

At column 3, line 56, after the word "vector", delete " s_{ik} " and insert therefor -- s_{ik} --.

At column 3, line 59, before the word "signals", delete "users" and insert therefor --user's--.

At column 4, line 2, before the word "data", delete "groups" and insert therefor --group's--.

At column 4, line 6, after the words "such as", delete " d_i " and insert therefor -- d_i --.

At column 4, line 11, after the words "vector", delete "d" and insert therefor --d--.

At column 4, line 14, after the word "segment 1", delete " d_{11} " and insert therefor -- d_{11} --.

At column 4, line 15, after the word "segment 2", delete " d_{12} " and insert therefor -- d_{12} --.

At column 4, line 17, after the word "vector", delete "r" and insert therefor --r--.

At column 4, line 19, after the word "segmented", delete " $r_1 \dots r_n$ " and insert therefor -- $r_1 \dots r_n$ --.

At column 4, line 32, after the word "vector", delete "d" and insert therefor --d--.

At column 4, line 42, delete Equation 1, and insert therefor -- $r_i = H_s + n$ --.

At column 4, line 44, after the word "matrix", delete "n is the noise vector. s" and insert therefor --n is the noise vector. s--.

At column 4, line 47, after the words "for the", delete "d" and insert therefor --d--.

At column 4, line 49, delete Equation 2, and insert therefor -- $s = Cd$ --.

At column 4, line 52, after the word "segment", delete " r_i " and insert therefor -- r_i --.

At column 4, line 57, delete Equation 4A, and insert therefor
-- $\hat{s}_i = (H_s^H H_s + \sigma^2 I_s)^{-1} H_s^H I_s$ --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 4, line 61, before the word "operation", delete "Hermetian" and insert therefor --Hermitian--.

At column 4, line 64, delete Equation 4B, and insert therefor $\underline{\hat{s}}_i = (H_s^H H_s)^{-1} H_s^H \underline{r}_i$.

At column 4, line 67, delete Equation 5, and insert therefor $\underline{\hat{s}}_i = R_s^{-1} H_s^H \underline{r}_i$.

At column 5, line 35, before the word "product", delete "kronecker" and insert therefor --Kronecker--.

At column 5, line 37, after the word "vector", delete "F($\underline{\hat{s}}$)" and insert therefor --F($\underline{\hat{s}}$)--.

At column 5, line 38, after the word "vector", delete " $\underline{\hat{s}}$ " and insert therefor -- $\underline{\hat{s}}$ --.

IN THE CLAIMS

At claim 1, column 5, lines 41 & 42, after the word "signals", delete "in a wireless communication system, the method".

At claim 7, column 6, lines 1 & 2, after the word "signals", delete "in a wireless communication system, the method".

At claim 22, column 7, line 18, before the word "determined", delete "segments" and insert therefor --segment's--.

At claim 28, column 7, line 52, before the word "determined", delete "segments" and insert therefor --segment's--.

At claim 34, column 8, line 19, before the word "determined", delete "segments" and insert therefor --segment's--.

At claim 40, column 8, line 51, after the word "each", delete "segment" and insert therefor --segment's--.

At claim 41, column 8, line 56, after the word "equalize", delete "equalizing".

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At claim 46, column 9, line 18, before the word "determined", delete "segments" and insert therefor --segment's--.

At claim 52, column 9, line 51, after the word "each", delete "segment" and insert therefor --segment's--.

At claim 58, column 10, line 19, before the word "determined", delete "segments" and insert therefor --segment's--.

Signed and Sealed this

Fifteenth Day of July, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office